

Title (en)
OPTICAL SENSOR

Title (de)
OPTISCHER SENSOR

Title (fr)
CAPTEUR OPTIQUE

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Application
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Abstract (en)
[origin: WO2005080938A1] The invention relates to an optical sensor for detecting combustion processes in a combustion chamber. Said optical sensor at least comprises a lens system that faces the combustion chamber, a light guide (5), and a sleeve (4) which surrounds the lens system and one end of the light guide (5). The inventive optical sensor is characterized in that the lens system is composed of at least one substantially planoconcave lens (1) and a biconcave lens (2), the planar face of the planoconcave lens (1) being exposed to the combustion chamber. The invention further relates to a method for producing such a sensor.

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